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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/723,120	11/25/2003	David Tanner	2705-738	1268
20575 7590 08/24/2007 MARGER JOHNSON & MCCOLLOM, P.C. 210 SW MORRISON STREET, SUITE 400 PORTLAND, OR 97204			EXAMINER JEAN GILLES, JUDE	
			ART UNIT 2143	PAPER NUMBER
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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Office Action Summary	Application No. 10/723,120	Applicant(s) TANNER ET AL.	
	Examiner Jude J. Jean-Gilles	Art Unit 2143	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 31 May 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-46 is/are pending in the application.
 4a) Of the above claim(s) 19-21 and 35 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-18, 22, 23, 25-28, 30-34, 36-41 and 43-46 is/are rejected.
- 7) ☒ Claim(s) 24, 29 and 42 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 25 November 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

This office action is responsive to the Reply filed on 05/31/2007.

Response to Amendments/Arguments

2. In the claims, 1-18, 22-34, and 36-46 remain pending in the application. No claim has been amended or cancelled herein. Claims 1-18, 22-34, and 36-46 represent a method and apparatus for a "METHOD AND SYSTEM FOR INTERACTIVELY CONFIGURING A NETWORK DEVICE".

Applicant's arguments with respect to claims 1, 22, 27, 33, and 38 have been carefully considered, but are not deemed fully persuasive. Applicant's arguments are deemed moot in view of the existing ground of rejection as explained here below. Applicants' amendments are not properly made as to perhaps place the application in condition for allowance.

The dependent claims stand rejected as articulated in the First Office Action and all objections not addressed in Applicant's response are herein reiterated.

In response to Applicant's arguments, 37 CFR § 1.11(c) requires applicant to "clearly point out the patentable novelty which he or she thinks the claims present in view of the state of the art disclosed by the references cited or the objections made. He or she must show the amendments avoid such references or objections."

Applicant's Request for Reconsideration filed on 05/31/2007 has been carefully considered but is not deemed fully persuasive. However, because there exists the

likelihood of future presentation of this argument, the Examiner thinks that it is prudent to address Applicants' main points of contention:

A: Applicant contends that specifically, "In contrast to the teachings of Beadles, claim 1 includes the feature of the computer configured to exchange communications with the network device immediately and prior to the user modifying a different portion of the text that corresponds to a different one of the objects. This feature allows the network device to be reconfigured dynamically and interactively while the user modifies the text displayed by the computer. Thus, claim 1 should be allowed. Claims 2-18 are dependent and should also be allowed.

B: Applicants submit that Claim 22 has been put into independent form. No amendments have been made to claim 22. The Office Action stated that claim 22 is rejected on the same grounds as claims 2-13; however, claims the original claims 2-13 did not recite the highlighting module. Therefore, the Office Action does not appear to cite to any section of Beadles for rejecting the novel feature of "a highlighting module for selecting a part of said document to implement said change, and for indicating which parts of said document have been modified." Moreover, Beadles teaches no such feature. This novel feature provides numerous advantages; for example see the present specification page 2, lines 18-24 indicating some of the advantages of this feature. Thus, claim 22 should be allowed. Claims 23-26 are dependent and should also be allowed. Claims 19-21 have been cancelled.

A: As to point A, it is the position of the Examiner that Beadles teaches the limitations of claim 1. Beadles specifically discloses a method and a system for automatically and interactively configure remotely a network device (see abstract; fig. 1A-F).

As to point B, par. 0120 of Beatles discloses a method to select text within the GUI. Inherently, text selection provided the capability of text highlight.

Examiner notes that applicants have failed in presenting claims and drawings that delineate the contours of this invention as compared to the cited prior art. Applicants have failed to clearly point out patentable novelty in view of the state of the art disclosed by the references cited that would overcome the 102(e) anticipation applied against the claims, the rejection is therefore sustained.

Claim Objections

3. Claims 24, 29, and 42 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent

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granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 1-18, 22, 23, 25-28, 30-34, 36-41, and 43-46 are rejected under 35 U.S.C.

102(e) as being anticipated by Beadles et al. (Beadles), Patent Pub. US 20030037040

B1.

Regarding **claims 1-18, 22, 23, 25-28, 30-34, 36-41, and 43-46**, Beadles discloses:

1.(Currently amended) A system comprising:

a network device; and a computer communicatively coupled to "the network device over a network (fig. 1A-F), the computer operable to:

display a document including text extracted from a local copy of a configuration file for the network device, the text representing a plurality of different objects that each control different functionality of the network device (0087-0089);

receive a user input modifying a selected portion of the text that corresponds to one of the objects (0011; 0026; 0027); and

exchange communications with the network device immediately and prior to receiving a subsequent second user input that modifies a different portion of the text that corresponds to a different one of the objects, the communications for dynamically modifying a remote copy of the configuration file that is stored on the network device without exchanging an entire copy of the configuration file between the computer and the network device (0057, 0087, 0091, and 0118).

2.(Currently amended) The system of claim 1 wherein the network device is reconfigured dynamically and interactively while the user modifies the text displayed by the computer(0118).

3.(Currently amended) The system of claim 1 further comprising:
the computer to transfer an incomplete command fragment input by the user to the network device without completing the incomplete command fragment; and
the network device to receive the incomplete command fragment and automatically perform command completion on the incomplete command fragment, the network device to analyze the completed command and reconfigure itself according to the completed command(0027, 0029, 0055, and 0059).

4.(Currently amended) The system of claim 3 further comprising:
the network device to send the completed command to the computer for synchronizing changes to the local copy of the configuration file with changes to the remote copy of the configuration file; and
the computer to receive the completed command and update the displayed document based on the completed command (0027, 0045, 0055, and 0059; figs 1A-B).

5.(Currently amended) The system of claim 4 wherein the document displays the incomplete command fragment when the network device initiates reconfiguration based on the complete command (0027, 0029, 0055, and 0059).

6.(Currently amended) The system of claim 1 wherein the network device is configured to perform syntax checking on edited lines transferred from the computer responsive to the communication exchange (0027, 0029, and 0095).

7.(Currently amended) The system of claim 1 wherein the computer is operable to use a Command Line Interface (CLI) parser installed on the network device to process the user request (0097, and 0110).

8.(Currently amended) The system of claim 7 wherein the computer does not emulate a replication of the Command Line Interface (CLI) parser of the network device(0097, and 0110).

9. (Currently amended) The system of claim 8 wherein the computer leverages the command correction capability of the network device so that changes to a command-set used for command correction on the network device does not require an update to a command-set on the computer(0027, 0029, 0055, and 0059).

10. (Currently amended) system of claim 1 wherein the computer is further operable to send the selected portion of the text to the network device without sending different unchanged portions of the text.

11. (Currently amended) The system of claim 1 further comprising:

the computer to form a transport object;

the computer to generate code indicating the modifications to the selected
portion of the text; and

the computer to dispose said transport object containing the code within a
transport medium.

12. (Currently amended) The system of Claim 11 wherein said code comprises a
command configured to instruct the network device to make corresponding
modifications to the remote copy of the configuration file(0027, 0029, 0055, and 0059).

13. (Currently amended) The system claim 12 wherein said command is rendered in
Command Line Interface format (0097, and 0110).

14. (Currently amended) The system of Claim 11 wherein said transport medium
comprises an interface and wherein said interface substantially complies with Common
Object Request Broker Architecture. Note that CORBA or Common Object Request
Broker Architecture is a language-independent object model and specification for a
distributed applications development environment, and it is inherent to the object of this
invention.

15. (Currently amended) The system of Claim 14 wherein the computer is configured to
form said transport object by transport-object by embedding said code within a set of

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tags and wherein said tags comprise Extensible Markup Language markers (0091, and 0097).

16. (Currently amended) system of Claim 11 wherein said transport medium comprises a serial line interface. Note that RS-232 is the most common serial line interface. All personal computers have at least one RS-232 serial port and that inherently, system 10 comprises a serial line interface.

17. (Currently amended) The system of Claim 11 wherein said transport medium comprises Telnet (0115, 0120).

18. (Currently amended) The system of Claim 11 wherein said transport medium comprises Secure Shell. Note that secure shell is widely used by network administrators to control Web and other kinds of servers remotely.

19.(Cancelled)

20. (Cancelled)

21.(Cancelled)

22. (Currently amended) A computer based system for interactively configuring a network device, comprising:

an application for providing a development environment (0022-0026);

a text editing tool co-functional with said development environment application, for editing a document wherein said document comprises a configuration for said network device (0022-0026; fig. 4);

a user interface co-functional with said development environment application, for displaying said document to said user and alloy, ring said user to make a change to said document (0022-0026);

a code generator co-functional with said user interface, for generating code corresponding to said change; a communication module co-functional with said code generator, for sending said change to said device;

a highlighting module for selecting a part of said document to implement said change, and for indicating which parts of said document have been modified; and

an undo manager for restoring said configuration to a state prior to implementing said change (0022-0026; fig. 2A; 0057, 0087, 0091, and 0118).

23. (Currently amended) The computer based system as recited in Claim 22 wherein said configuration is retrieved from said network device in response to a user request, wherein said change is made to said document interactively with said network device, and wherein said change is made to said document interactively with said network device by a process comprising:

sending a first code component from said system to said network device; and

receiving a second code component from said network device at said system in response to said sending said first code component (0077-0085).

25. (Currently amended) The computer based system as recited in Claim 22 wherein said change in said configuration is sent without sending an unchanged component of said configuration to said network device and wherein said sending said change to said network device comprises:

forming a transport object wherein said transport object contains code comprising said change; and disposing said transport object within a transport medium (0077-0085).

26. (Original) The computer based system as recited in Claim 25 wherein said transport medium comprises a medium selected from the group consisting essentially of: an interface and wherein said interface substantially complies with Common Object Request Broker Architecture; a serial line interface; Telnet; and Secure Shell (0115, 0120).

27. (Currently amended) A method comprising:

displaying a document including text corresponding to a configuration file stored on a remotely located network device, the text representing multiple different objects that each control different operational characteristics of the remotely located network device (0087-0089);

receiving a user input modifying a selected portion of the text that corresponds to a first subset of the objects (0011; 0026; 0027); and

sending one or more communications over a network to the network device immediately and prior to receiving a subsequent second user input that modifies a different portion of the text that corresponds to a second different subset of the objects, the communications configured to cause the network device to dynamically modify the configuration file that is stored on the network device (0057, 0087, 0091, and 0118).

28. (Currently amended) The method of claim 27 wherein the communications include payload data configured to control only a subset of the operational characteristics that corresponds to the first subset of the objects such that the method does not require transferring an entire copy of the configuration file to or from the network device to elicit the dynamic modification of the configuration file (0027, 0045, 0055, and 0059; figs 1A-B).

Claims 30, and 32 are similar in scope to claims 25, and 26 and are rejected for the same reasons as claims 25 and 26.

31. (Currently amended) The method of claim 30 The computer usable medium wherein said code comprises a command and wherein said command is rendered in Command Line Interface format (0097, and 0110).

33. (Currently amended) A computer based system device, comprising:

means for displaying a document to a local user upon receiving a configuration of a network device, wherein said document comprises the configuration for said network device in a text format and wherein said computer is coupled via a network to said network device;

means for or allowing said user to change text comprising said document; and

means for interacting with the remote network device to provide the changed text to the remote network device;

wherein the computer is configured to interact with the remote network device to provide the changed text independently of whether the computer detects that the changed text comprises an incomplete command (0057, 0087, 0091, and 0118).

34. (Currently amended) The computer based system as recited in Claim 33 wherein said interacting means comprise:

means for sending a first code component to said network device, the first code component including at least a portion of the changed text that includes a syntax error;
and

means for receiving a second code component from said network device in response to said sending said first code component, the second code component

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including the portion of the changed text with the syntax error corrected (0069, and 0099).

35. (Cancelled)

Claims 36, and 37 are similar in scope to claims 25, and 26 and are rejected for the same reasons as claims 25 and 26.

Claim 38 is similar in scope to claim 22 and is rejected for the same reasons as claim 22.

39. (Currently amended) The apparatus of claim 38 wherein the computer based programming tool installed thereon further comprises

an error handling component co-functional with said communication component, for detecting and handling an error in said changes; and

a change tracking module co-functional with said user interface for tracking said changes (0057, 0087, 0091, and 0118)..

40. (Currently amended) The apparatus of claim 38 wherein the computer based programming tool installed thereon further comprises :

a highlighting component for selecting a part of said document to implement said changes, and for indicating which parts of said document have been modified; and

an undo component for restoring said configuration to a state prior to implementing said changes (0069, and 0099).

41. (Currently amended) The apparatus of claim 38 wherein the computer based programming tool installed thereon is further operable to

send a first code component from said system to said network device; and

receive a second code component from said network device at said system in response to said sending said first code component (0057, 0087, 0091, and 0118)..

Claim 43 is similar in scope to claim 25, and is rejected for the same reasons as claim 25.

44. (Currently amended) The apparatus of claim 43 wherein the transport medium comprises a medium selected from the group consisting essentially of: a serial line interface; Telnet; and Secure Shell I(0115, 0120).

45. (Currently amended) The apparatus of claim 43 wherein the transport medium comprises an interface and wherein said interface substantially complies with Common Object Request Broker Architecture (see claim 14).

46. (Currently amended) The apparatus of claim 45 wherein the computer based programming tool is further operable to embed said code within a set of tags and wherein said tags comprise Extensible Markup Language markers (0047).

Conclusion

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

6. Any inquiry concerning this communication or earlier communications from examiner should be directed to Jude Jean-Gilles whose telephone number is (571) 272-

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3914. The examiner can normally be reached on Monday-Thursday and every other Friday from 8:00 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wiley, can be reached on (571) 272-3923. The fax phone number for the organization where this application or proceeding is assigned is (703) 305-3719.


Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

Jude Jean-Gilles

Patent Examiner

Art Unit 2143

August 19, 2007


DAVID WILEY
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100